Purchasing Receipts

VC R2,000 Round Bar 2,000": M174PH- H900R0,500 MATERIAL: 17- 4 PH COND. H900 AS PER AMS 5643	PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container	Status	Receive Date	Price/Unit	Aging Days	Past Due	1
1.250X2.000 Steel Bar: MATERIAL: AISI 4140 / 4142.STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 R ASTM A829, AMS	PO039872		1	†	Net 30	R2 000	Round Bar 2.000"" : M174PH- H900R0.500 MATERIAL: 17- 4 PH COND. H900 AS PER				12	5/25/2018	13		\$074804	Stock	5/26/2018	\$ 103.80 / ft	0		S
			2		12	1.250X2.000	Steel Bar: MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 22 Rc ASTM A829, AMS				6		6	8	\$074805	Stock	5/26/2018	\$ 29.50 / ft	0		

Plex 5/26/2018 7:31 AM Dart Dubois Pascal

Shipping Order

24/05/2018

METAJX SOLUTIONS INC

2625 BOUL JACQUES CARTIER EST

DART AEROSPACE LTD 1270, ABERDEEN STREET

HAWKESBURY, ONTARIO

LONG JEUIL, QUEBEC J4N 1'_7 7

Tel.: 450 641-3330

Customer: 6323336

K6A 1K7

Order Reference Bid : 135179 : 39872 : 27379

Ship

: PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
	****** FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SR2174	17-4PH ROU 2" DIA H900	12.5	12.5	0
	1 X 12'6" HT.SH0401-DWA41			
MP11441H	4140 HTSR PLATE 1.250" THICK	60	60	8
	1 X 2" X 72" HT: PM94731			

ship journey collect

jp



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039872

Tel (613) 632-5200

Supplier:

Ship To:

MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiier Est

Longueuil QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada Phone: 613-632-5200

ON

PO No:

PO039872

PO Date: Due Date:

5/11/18 5/18/18

Purchase Order

Revision: **Revision Date:**

Ship-To Contact:

Phone:

Via:

Ground Net 30

Pymt Terms: Freight Terms:

Special Comments: BID NO 27379

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date		Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M17-4-H900- R2.000		17-4 SS H900 Round Bar 2.000" : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643	Firmed	5/24/18	12 ft	0ft 12.51	12 ft	\$103.80/ft MAY 2 6 20	
2	MT-4140-S- 1.250X2.000		AISI 4140 Steel Bar : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/18/18	6 ft	61	6 ft	\$29.50/R	

Grand Total: \$1,422.60

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/11/18 9:17 AM dart.lavoie.chantal

DAS

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MIT-					PO / BATCH	NO.: <u>0398</u>	72/507480
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	13	570	[2.5] [2.5]	THIC	KNESS ORDEI KNESS RECEI ET SIZE ORDEI ET SIZE RECEI	VED: 2- RED: N	000
DESCRIPTION	(Ch	CR neck (N)			COMMENT	rs	
SURFACE DAMAGE	Y	N					
CORRECT FINISH	Y	N.					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	(8)	N	4				
CORRECT MATERIAL PER M-DRAWING	(4)	N	Ams 564	13			
CORRECT THICKNESS	(Y)	N	,				
PHOTO REQUIRED	Y	(N)	, , ,				
CORRECT REF # TO LINK CERT	(2)	N	Heart #	SH04	101-DU	441	
CORRECT MATERIAL IDENTFICATION	(1)	N	, , ,	.,		/ / /	
CORRECT M# ON THE MATERIAL	(Y)	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIECE			TERIAL AND I			SS CHECK.	
				HRB	DURA	DUR D	WEBSTER
YPE OF MATERIAL							
SIZE OF TEST SAMPLE							
APPNESS / DI IDOMETED DEADI	NG						

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 41	SIGNED OFF BY:
DATE: 9-89 MAY 2 6 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALLONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION:

AMS 5643 OR ASTM A564

WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) X.XXX = DIAMETER (IN INCHES) M17-4- HHHHH- R X.XXX

0

MATERIAL CONDITION TABLE:

(OMITTED) NONE SPECIFIED 100 150 H900 H900 170 190 H925 H926 170 190 H1025 H1025 170 170 H1025 H1025 145 155 H1075 H1075 145 145 H1100 H1100 115 140 H1150 H1160 105 135 CONDA KSOLITION TREATED 105 135	CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI
H900 170 H925 155 H1025 145 H1075 125 H1100 115 K1150 105 KSOLITION TREATED	(OMITTED)	(CONDITION A NOT ACCEPTABLE)	100	150
H925 155 145 145 145 145 145 145 145 14075 125 14100 145 14150	H900	H900	170	190
H1025 145 H1075 125 H1100 115 CONDITION TREATED	H925	H925	155	170
H1075 125 H1100 115 H1150 105 CONDITION TREATED	H1025	H1025	145	155
H1100 115 H1150 105 CONDITION TREATED	H1075	H1075	125	145
CONDITION TREATEN	H1100	H1100	115	140
	H1150	H1150	105	135
	CONDA	(SOURTION A		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

PART NUMBER M17-4-R4 000 M17-4-H900-R2:500 M17-4-H1025-R3:250 M17-4-CONDA-R0:750 PART 4.000" DAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI 2.500" DIAMETER BAR H900 CONDITION 3.250" DIAMETER BAR H1026 CONDITION 0.750" DIAMETER BAR A CONDITION

REV. C SHEET 1 OF 1 05.03.16 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
P COPYRIGHT © 2005 BY DART AEROSPACE LTD INVALLAND COFEDURA NOS SUPPLED ON THE STATES COMMITTED BY ANY PROPERTY COMMITTED ON ANY PROPERTY COMMITTED ON COMMITTED TO JUNY CHARGE TO JUNY CHARGE TO JUNY CHARGE TO COMMITTED TO JUNY CHARGE TO JUNY CHARGE TO COMMITTED TO COMMITTED TO JUNY CHARGE TO COMMITTED TO COMMITTED TO JUNY CHARGE TO COMMITTED TO 00 20 NO DART AEROSPAC

NO DRAWING NO.

RA M17-4-R

WM TITLE

CP \$\mathcal{Q}\$ 17-4 SS ROUND BAR ADDED MATERIAL CONDITION (CRIT7-107)
REFORMAT DWG, ST7400TYPE 630 ADDED TO
REF PAR 09-020A
NEW ISSUE 17.09.14 APPROVED MFG. APPR. CHECKED DE APPR. DESIGN DRAWN **APPROVED**

3

ECN17-728

UELEASE 11 2017 -10-31

NTS

10.05.20 17.09.14

81

80

ON.

EXAMPLES: 0

<

00

U

PART NUMBER:

@@

⊘

Ω

0

U

3

S

00

IFICATE OF TEST RTIFICAT N'ESAIS

Page 01 of 02

Certification Date 14-MAY-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44743-J

DEV: H900 L

GRAIN SIZE :6 -

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number S707198

510539 SOLD TO: SHIP TO: METAUX SOLUTIONS INC. METAUX SOLUTIONS (RIVE-SUD) VENDU À: EXPÉDIÉ À: 2625 BOUL JACQUES CARTIER EST 2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1L7 LONGUEUIL OC J4N 1 Description: SOL ANN CF BAR ASTM A564 2 RD X 12' R/L HEAT: SH0401-DWA41 Line Total: 134.694 LB ITEM: 510539 Specifications: AMS 5643 U ASTM A564 T630 13 ASME SA564 T630 13 ASTM E340 ASTM E112 AMS 2315 ASTM A564M 13 ASME SA4564 13 AMS 2303 F NACE MR0175 ASTM F899 12B ASTM A388/A388M 16 EN 10204 3.1 CHEMICAL ANALYSIS ______ P S NI CR C SI MN 0.029 0.001 4.29 15.30 0.65 0.08 0.02 0.50 CU NB TA NBTA 0.23 0.23 0.0024 3.46 RCPT: R315364 COUNTRY OF ORIGIN : TAIWAN _____ MECHANICAL PROPERTIES _____ %ELONG %RED HARDNESS YLD STR ULT TEN IN 02 IN IN AREA DESCRIPTION KSI KSI 16.0 202.0 56.0 COND A 181.0

202.0

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. ./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

181.0

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

56.0

JOANNE DESPRES

sunas Leupen

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESAIS

Page 02 of 02

Certification Date 14-MAY-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44743-J

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number S707198

510539

SOLD TO:

METAUX SOLUTIONS INC.

1.5

METAUX SOLUTIONS

(RIVE-SUD)

VENDU À:

2625 BOUL JACOUES CARTIER EST

EXPÉDIÉ A:

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

I,ONGUEUIL QC J4N 1

Description:

17-4 SOL ANN CF BAR

ASTM A564

2 RD X 12' R/L

HEAT: SH0401-DWA41

ITEM: 510539

Line Total: 134.694 LB

MATERIAL IS FREE FROM MERCURY CONTAMINATION

NO WELD REPAIR PERFORMED ON MATERIAL.

ULTRASONIC: Y

MACRO: OK MICRO1: OK

COMMENTS

country of origin: gmtc, taiwan

red ratio: 68.1.1

mfg process: air melting (eaf+lhf+vod); forged or hot rolled

solution treatment: 1900 =/-25 deg # For 30 min/inch (min of 1/2 hr),

A. ..

<);

1 .

rapidly cooled to below 90 deg f

ferrite: 0.3%

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihant.

JOANNE DESPRES

carne Despres

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des specifications inscrites sur le certificat. We hereby certify that the material or field by this report will meet the applicable requirements described herein, including any specification forming a part of the description. ./Par les présentes, nous certifions que le matériel cov par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M+ A	AY Z	0-5 6 ZI	-1.250×2.000 PO/BATCH NO.: 038872/507486
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	6	1	THICKNESS ORDERED: 1.250 THICKNESS RECEIVED: 1.250 SHEET SIZE ORDERED: VA SHEET SIZE RECEIVED: VA
DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(4)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	0	N	Astm A829
CORRECT THICKNESS	(Y)	N	

CUT SAMPLE PIECE OF	MATERIAL A	ND PREFOR	M A HARDNE	SS CHECK	
00.0	== .	SULTS BELOV		oo on Lore.	
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HADDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: DAS	SIGNED OFF BY:
DATE: 9-89 MAY 2 6 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

N

N

N

N

PHOTO REQUIRED

CORRECT REF # TO LINK CERT

CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE

ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT

CORRECT MATERIAL IDENTFICATION (Y)



2625, Boul. Jacques-Cartier Est Longueuil (Québec) J4N 1L7 info@metauxsolutions.com T 450 641-3330 Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7

25 mai 2018

Part Number/ Description

MST12500

Plate 1-1/4

34.00000 x 146.00000

ASTM A-829

DFARS Compliant

Lot: 425801A C: 0.4070

Cr: 0.9700

Mn: 0.7600

Mo: 0.1500

PM Heat: 94731

Cu: 0.2160

P: 0.0070

S: 0.0010 V: 0.0350 BHN: 308

Shipped Qty

1,795 Pounds

Si: 0.2010 Ni: 0.1500

ITEM 2:

1 X 2" X 72"

COMMANDE: 135179

REF: 39872

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par

APPROVED FRACTIONS ± 1/8
ANGLES ± .5°
SURFACE
ROUGHNESS AISI 4140 / 4142 STEEL SHEET OR PLATE ME 8Y VM DESONICO ST. WH 2/15/20/8 | Сицианова Аргул. DESONICO ST. WH 2/15/20/8 | Сустомнега DESONICO ST. WH 0/2/15/20/8 | Сустомнега MI 0/2/15/20/8 | X & 5/8 MT-4140-S 18.2.13 DATE ECN# 18-544 2 MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = TH]CKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) malac DESCRIPTION NEW ISSUE EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc

\ \frac{\text{\$4.42}}{4.42} \text{\$1.00} \text{\$1. REV. ASTM A829 AMS 6395 SPECIFICATION: PART NUMBER: 9 8 ۵ O 0 ×

Q